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Arborist Report for 31427692 Alameda Reg Station

Install 3-488 District Regulatior Station & SCADA Cabinet, 8" STL HP-12' (GM62341-1940)
PM# **31427692**

Date: **04/07/2021**

For: **Pacific Gas & Electric Co. (PG&E)**
Land Consultant: Chris Pachan
Project Manager: Anson Wong

Executive Summary

- Remove three trees.
- Notify City of Alameda and include work scope & schedule.
- Notify residents at addresses listed below. Include work scope & schedule.
  - 801 Haight Avenue, Alameda, CA. APN 73-406-49.
  - 1524 8th Street, Alameda, CA. The APN is not listed, but might be the same as 801 Haight Ave.
- Per the City of Alameda municipal code, a permit is required to remove street trees:

  Chapter 13, 23-3.2 - Necessity for Permit to Plant, Trim or Cut.
  ...no tree or shrub located upon any public street or place shall be removed, trimmed, pruned or cut without written permission from the Public Works Director to do so. When such permission is for the removal, trimming, pruning or cutting thereof, it may prescribe the number of trees to be affected thereby and the manner and the performance of the work. Such permission shall be operative only when exercised subject to such regulations as the Public Works Director may adopt...

- PG&E is exempt from the discretionary permitting process as work is being performed to comply with the safety regulations of the California Public Utilities Commission (CPUC). However, PG&E will provide courtesy notification on said recommendations detailed in this arborist report prior to work commencing.

Introduction

Request for arborist support was received 3/25/2021. Project "31427692 Alameda Reg Station" was assessed by forester Leo Martínez 4/06/2021. The assessment was based on engineer drawings dated 12/29/2020, which were provided by Project Manager Anson Wong.

The following recommendations are made to avoid irreparable damage to vegetation in the area during construction. This report details the issues and scope of vegetation work at each location. In the event of changes in scope of work and/or location of construction activities, the site must be reassessed by the project arborist to maintain the integrity of these recommendations. No outside directives are to be given to the vegetation crews without first discussing them with the on-site forester or arborist contact.

Location – 1524 8th Street, Alameda, CA

Project "31427692 Alameda Reg Station" is near 1524 8th Street in Alameda. A new district regulator station and SCADA cabinet will be installed in the sidewalk and street tree islands area. Trees impacted by the project were inventoried and are mapped in Figure 1, with corresponding data in Table 1.

One Brisbane box (*Lophostemon confertus*; VP_15935; Figures 1 through 3) will be removed where the cabinet is to be installed. One cherry (*Prunus spp.*; VP_15936; Figures 1 through 3) and a second Brisbane box (VP_15937; Figures 1 through 3) will be removed where a new 12" gas main is to be installed. No additional vegetation impacts are anticipated at the project site.

Figure 1. 31427692 Alameda Reg Station - Tree Map

Table 1. 31427692 Alameda Reg Station - Tree Data

Auto ID	Type	Species	DBH (in)	Height (ft)	Prescription	Notes
VP_15935	Removal	Brisbane Box	6	25	Cut & grind	City of Alameda street tree.
VP_15936	Removal	Cherry	6	12	Cut & grind	City of Alameda street tree.
VP_15937	Removal	Brisbane Box	6	25	Cut & grind	City of Alameda street tree.

Figure 2. L – R: Brisbane box VP_15937, cherry VP_15936, and Brisbane box VP_15935.

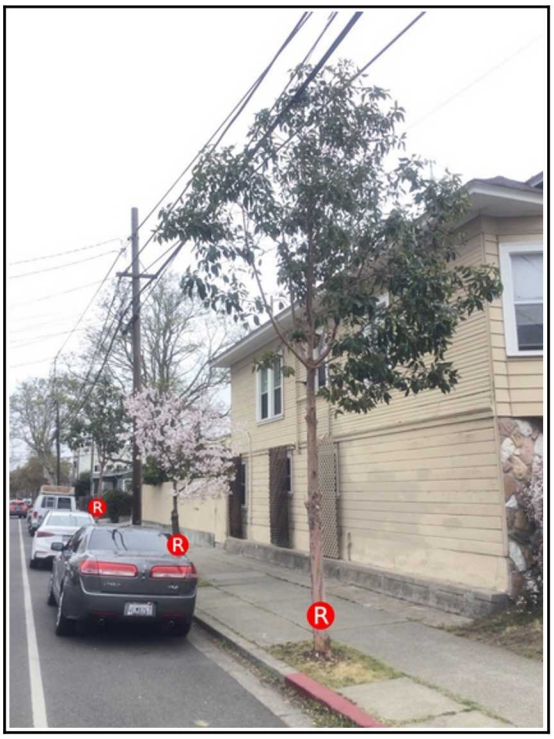

Figure 3. L – R: Brisbane box VP_15935, cherry VP_15936, and Brisbane box VP_15937.

Figure 4. L – R: Brisbane box VP_15935, cherry VP_15936, and Brisbane box VP_15937.

Definitions

Arborist: professional who possesses the technical competence gained through experience and related training to provide for or supervise the management of trees and other woody plants in residential, commercial, and public landscapes.

Critical Root Zone (CRZ): area of soil around a tree where the minimum amount of roots considered critical to the structural stability or health of the tree are located. CRZ determination could be based on the **Drip-line** or a multiple of **DBH**, but because root growth can be asymmetric due to site conditions, on-site investigation may be required.

Crown (Canopy) Raising: in pruning, the selective removal of lower limbs from a tree crown to provide clearance.

Diameter at Breast Height or DBH: an arborist standard of measurement for a tree. The trunk(s) diameter is measured at 4.5ft above natural grade. If there are multiple trunks, they are measured individually and added together. Multi-stems are to be listed in comments as #xstem [individual stem diameters separated by commas], i.e. 4xstem [5", 4", 3", 2"].

Drip-line: imaginary line defined by the branch spread of a single tree or group of trees.

Project Arborist: PG&E assigned Arborist to the project. Duties may include but are not limited to assessing and providing recommendations on tree issues, evaluating applicable tree ordinances and/or local municipality notifications, scheduling and overseeing tree work, site monitoring, etc.

Root Pruning: in tree conservation and preservation, the process of cutting roots cleanly behind the line of a planned excavation to prevent tearing and splintering of remaining roots.

Tree Protection Zone (TPZ): defined area within which certain activities are prohibited or restricted to prevent or minimize potential injury to designated trees, especially during construction or development.

Reference

Vegetation prescriptions and recommendations are based on:

- International Society of Arboriculture Best Management Practices for "Managing Trees During Construction."
- ANSI A300 Standards (part 5) Management of Trees and Shrubs During Site Planning, Site Development, and Construction.
- ANSI A300 Standards (part 1) Standard Practices Pruning.
- Any work in reference to the gas line right-of-way is based on PG&E utility standard TD-4490S.

*** Any work performed outside of these BMPs & Standards is solely the decision of construction management.**